

WHAT WE CLAIM IS:

1. A photocatalyst, having an opposite electric charge to a substances to be treated, in which the
5 opposite electric charge is given by carrying an inorganic substance on a surface of the photocatalyst.

2. The photocatalyst according to Claim 1,
comprising the photocatalyst, and an ion-exchange
10 substance carried on the photocatalyst and having the opposite electric charge to the substance to be treated.

3. The photocatalyst according to Claim 1, wherein
the ion-exchange substance is at lease one cation exchange
15 substance selected from the group consisting of silicon dioxide, alumina and zirconium phosphate.

4. The photocatalyst according to Claim 1, wherein
the photocatalyst is at lease one selected from the group
20 consisting of titanium dioxide, zinc oxide, zirconium oxide and tungsten oxide.

5. The photocatalyst according to Claim 1, wherein
the photocatalyst is titanium dioxide.

25

6. A method for producing a photocatalyst,
comprising bringing an inorganic substance having an
opposite electric charge to a substance to be treated, to
exist partially and uniformly on a surface of a
5 photocatalyst.

7. The method according to Claim 6, comprising the
steps of:
mixing the inorganic substance and the photocatalyst
10 well;
adding thereto a small amount of a solvent little by
little, to mix; and
evaporating the solvent, thereby bringing the
inorganic substance to exist partially and uniformly on
15 the photocatalyst surface.